

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

10/18/2011

Christopher McMahon  
Assistant District Attorney, Middlesex County

Dear ADA McMahon,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".  
Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

### **Annie Khan (Dookhan)**

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# Curriculum Vitae

Kate A. Corbett

## Education

### **Bachelor of Science Degree, CHEMISTRY May 2003**

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

## Employment

### **Chemist II State Laboratory Institute (March 2008-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

### **Chemist I State Laboratory Institute (2005-March 2008)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

### **Research Associate (September 2003 – August 2005)**

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

### **Intern (March 2003 – August 2003)**

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: LOWELL Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DET. BRYAN W. MCMAHON

Defendant(s) Name (last, first, initial):  
[REDACTED]

*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

PLASTIC PACKETS w/POWDER - HEROIN - .50

.23,13g

Received by:

CLO

Date:

3-17-09

No. [REDACTED] Date Analyzed: 12/2/09  
City: Lowell Police Dept.  
Officer: Detective BRYAN MCMAHON

Def: [REDACTED]  
Amount: Subst: SUB  
No. Cont: 50 Cont: plastic packet pb  
Date Rec'd: 03/17/2009 No. Analyzed: 5  
Gross Wt: 23.130 Net Wt: 12.64  
#Tests: 20 ASD

Prelim: Heroin Findings: • 10 KAC  
Heroin

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Lowell ANALYST AS9

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt (sd): 20.8635

Beige powdered substance

(1) 50 mg

Gross Wt (S): 2.6878

Pkg. Wt: \_\_\_\_\_

Net Wt: \_\_\_\_\_

->

## PRELIMINARY TESTS

### Spot Tests

Cobalt

5 Thiocyanate (+)

5 Marquis +

5 Froehde's +

5 Mecke's +

### Microcrystalline Tests

Gold

Chloride \_\_\_\_\_

TLTA (-)

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 11-30-09

## GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS  
OPERATOR KAC

DATE 12-2-9

Sample # [REDACTED]

# samples tested: 5

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.4211	0.1670	0.2541	26			
2	0.4224	0.1624	0.2600	27			
3	0.4078	0.1639	0.2419	28			
4	0.3939	0.1697	0.2242	29			
5	0.4430	0.1586	0.2844	30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

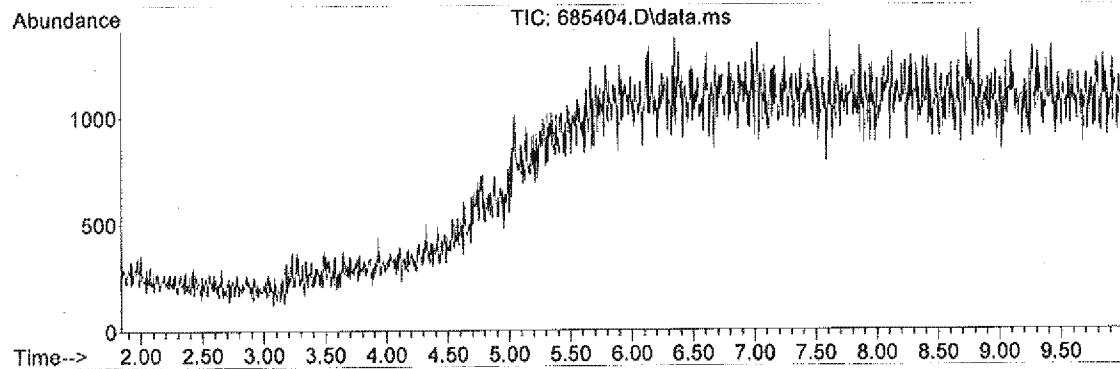
Calculations: Net wt

$$\text{Net wt} = 1.2646 / 5 = 0.2529 (\text{so})$$
$$= 12.6450$$

VKAC  
10/14/11

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685404.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 10:20  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

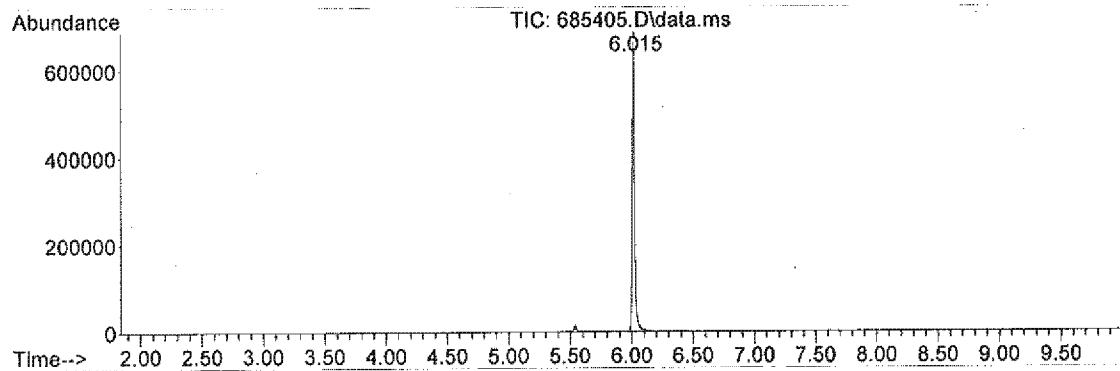
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685405.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 10:33  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.015	921228	100.00	100.00

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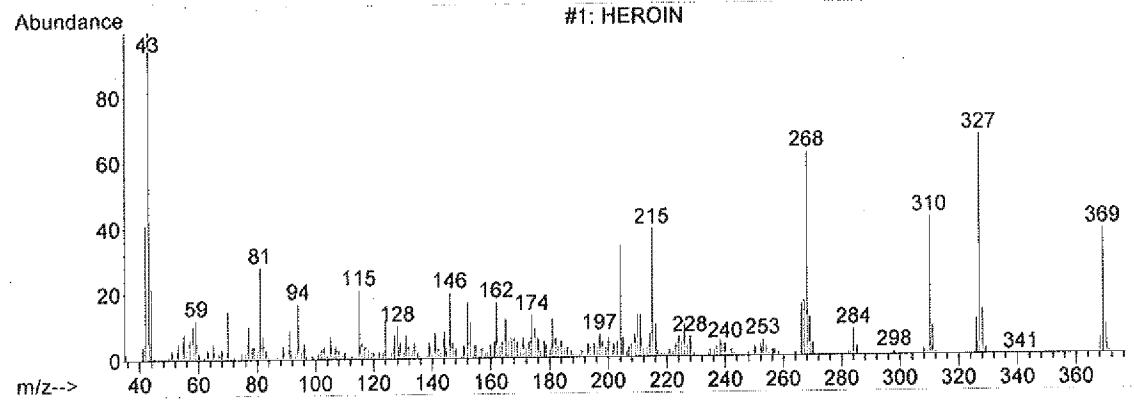
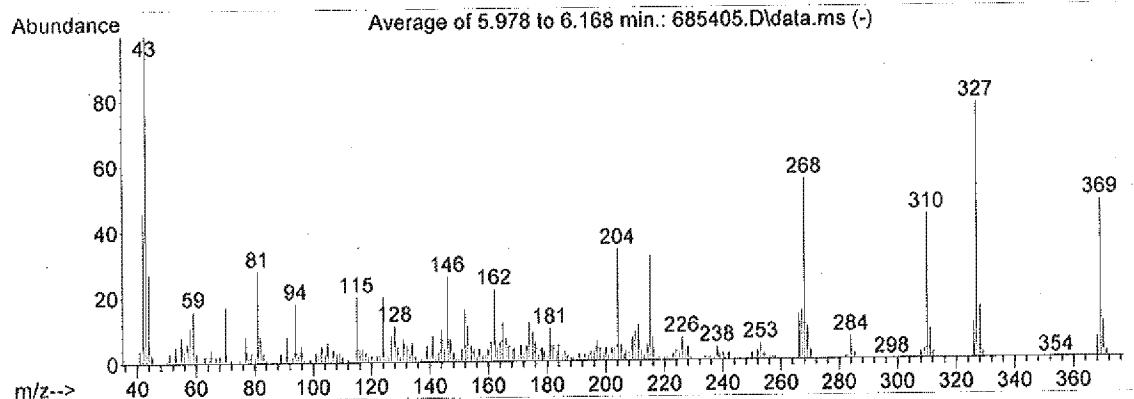
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## Information from Data File:

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Operator : DJR  
Date Acquired : 1 Dec 2009 10:33  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.01	C:\Database\SLI.L HEROIN	000561-27-3	99



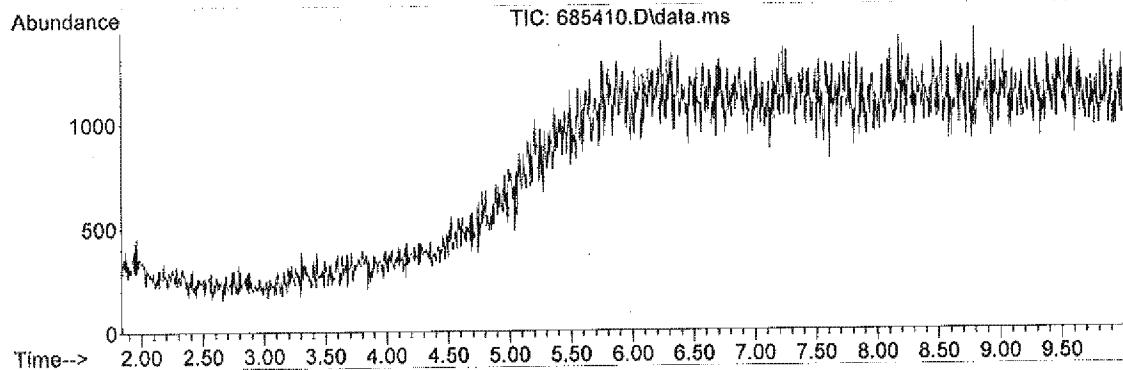
Area Percent / Library Search Report

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Operator : DJR  
Date Acquired : 1 Dec 2009 11:36  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

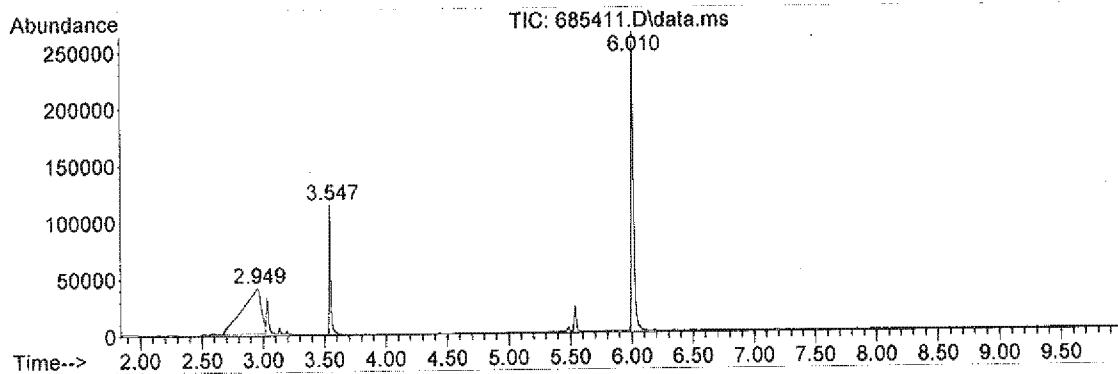
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Operator : DJR  
Date Acquired : 1 Dec 2009 11:49  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 11  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
2.949	428479	47.89	100.00
3.547	114949	12.85	26.83
6.010	351240	39.26	81.97

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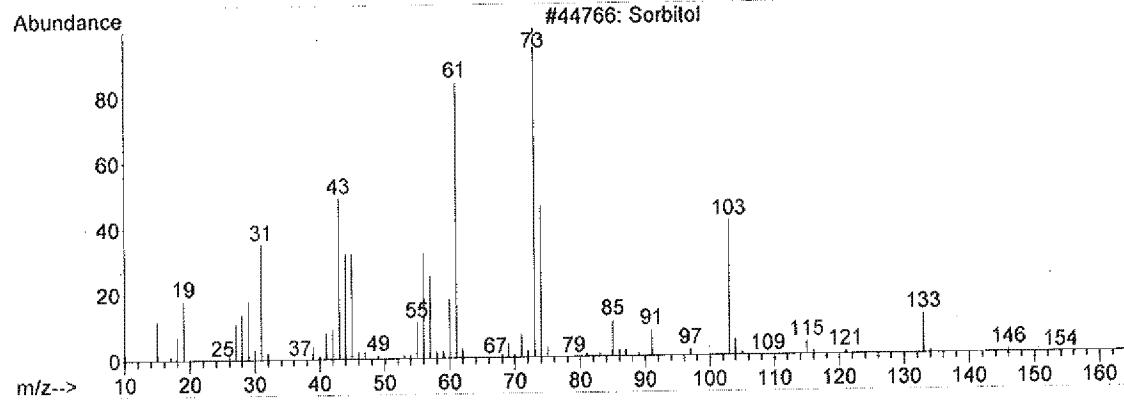
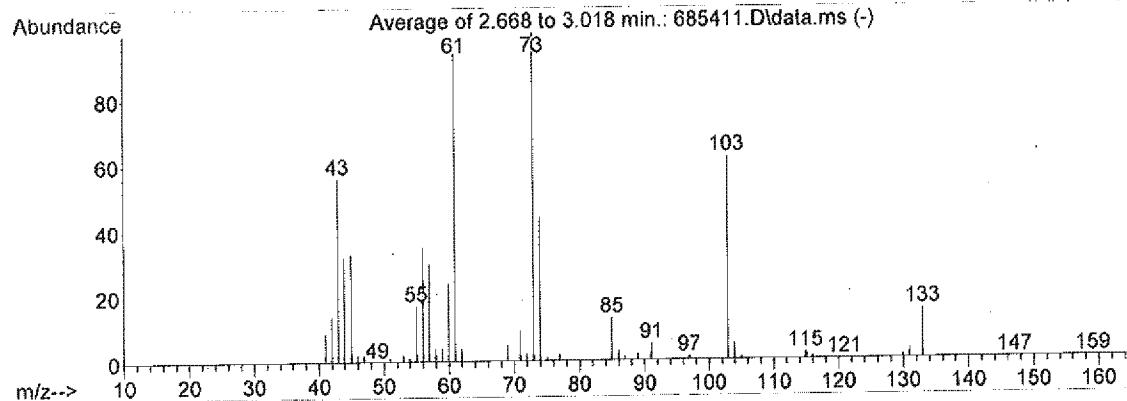
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 Submitted by : ASD  
 Vial Number : 11  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.95	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		Glucitol	026566-34-7	90
		D-Mannitol	000069-65-8	90



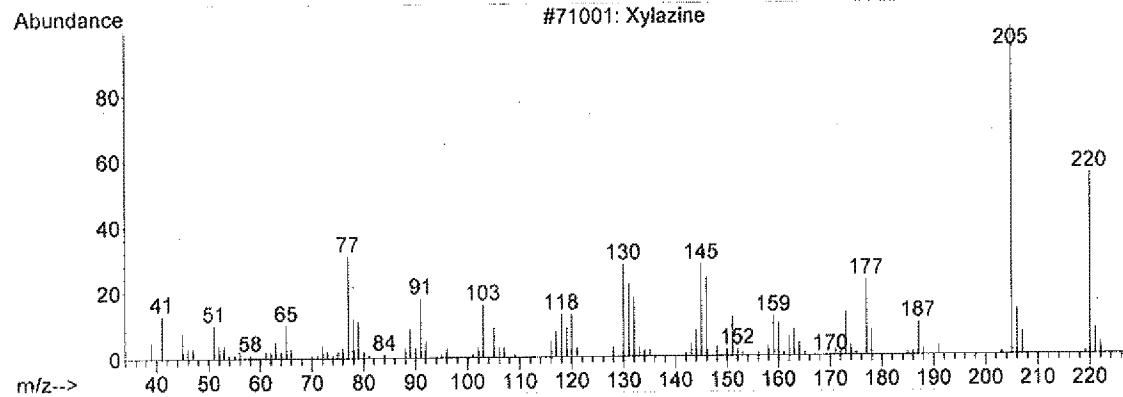
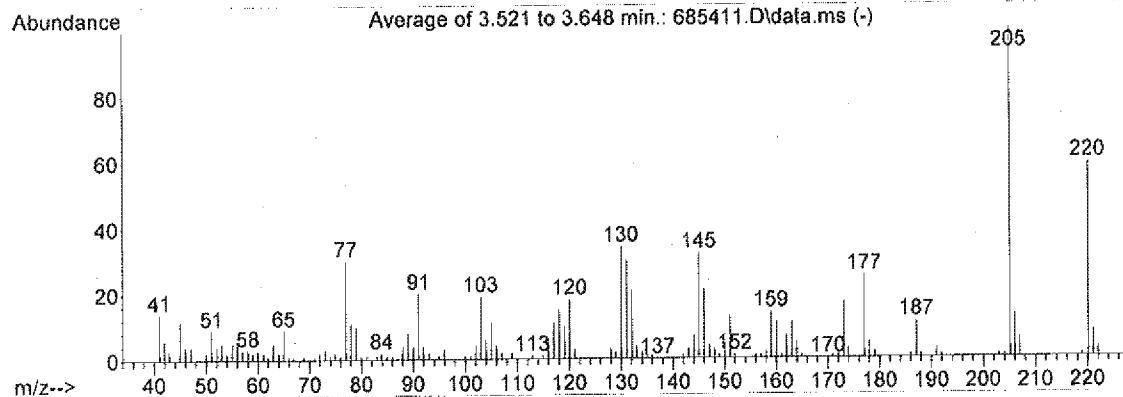
Area Percent / Library Search Report

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 Submitted by : ASD  
 Vial Number : 11  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.55	C:\Database\NIST05a.L		
		Xylazine	007361-61-7	96
		Xylazine	007361-61-7	94
		9-Cedranone	1000156-23-2	89



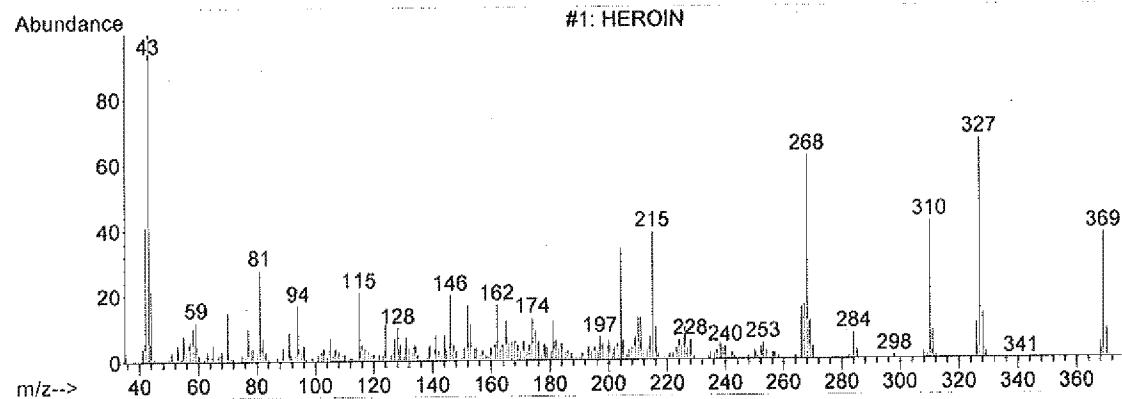
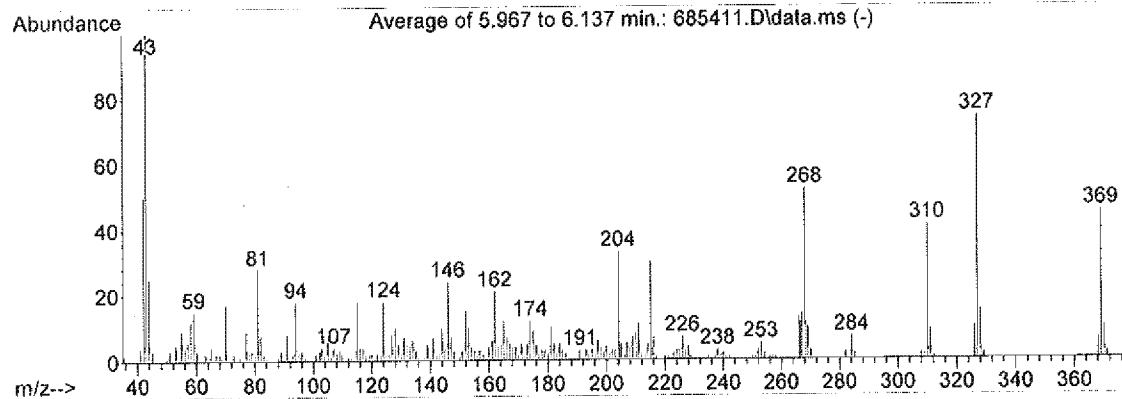
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Date Acquired : 1 Dec 2009 11:49  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 11  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	6.01	C:\Database\SLI.L HEROIN	000561-27-3	98



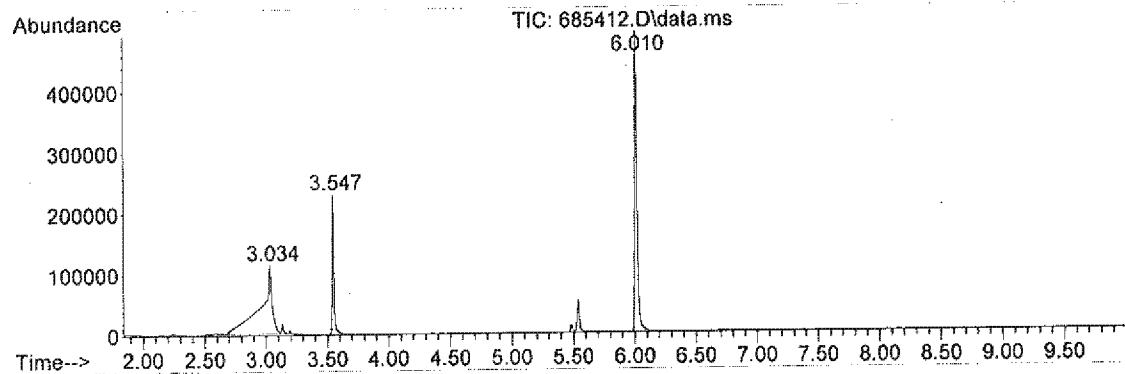
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Operator : DJR  
Date Acquired : 1 Dec 2009 12:02  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.034	766215	45.55	100.00
3.547	230682	13.71	30.11
6.010	685170	40.73	89.42

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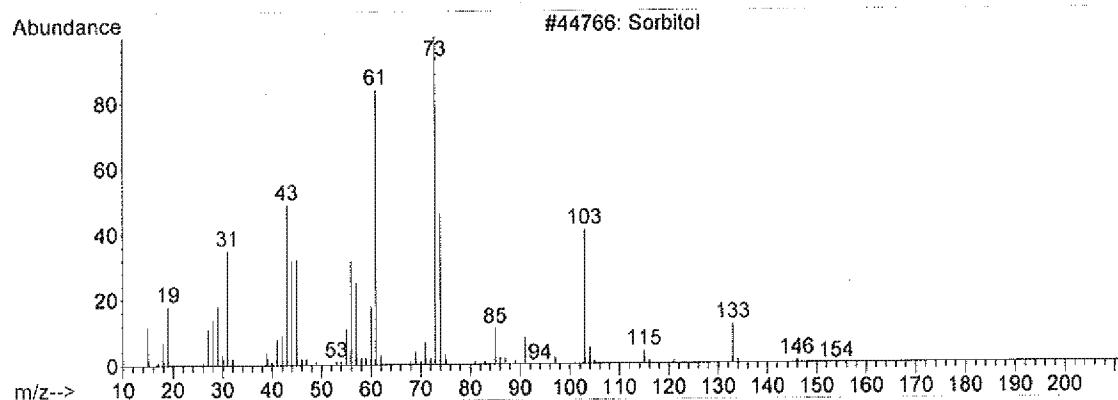
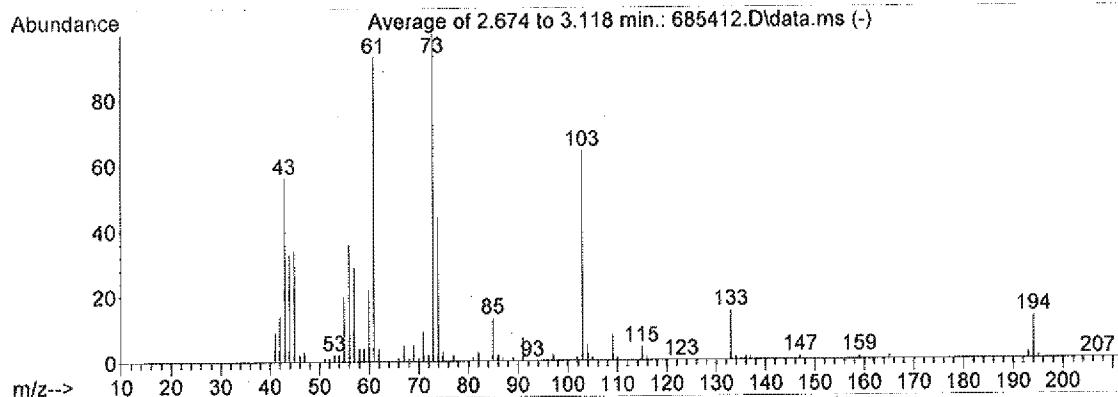
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Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.03	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		D-Mannitol	000069-65-8	86
		Sorbitol	000050-70-4	83



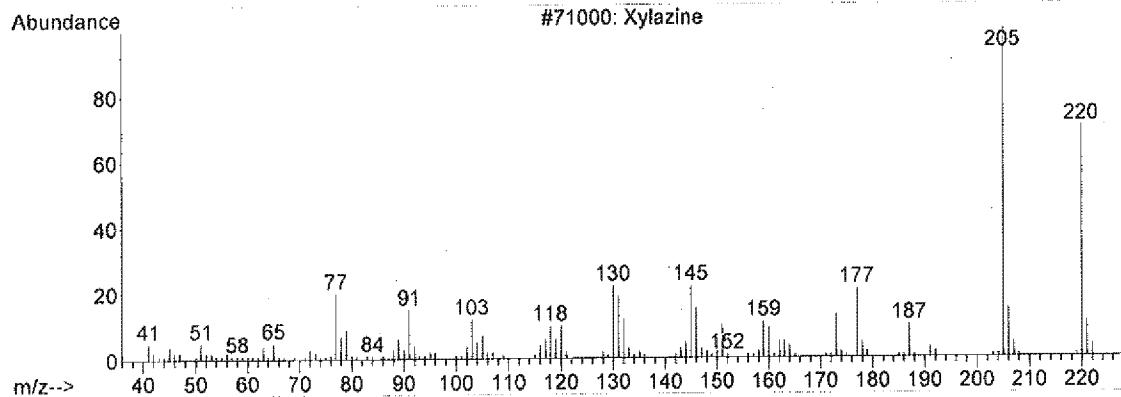
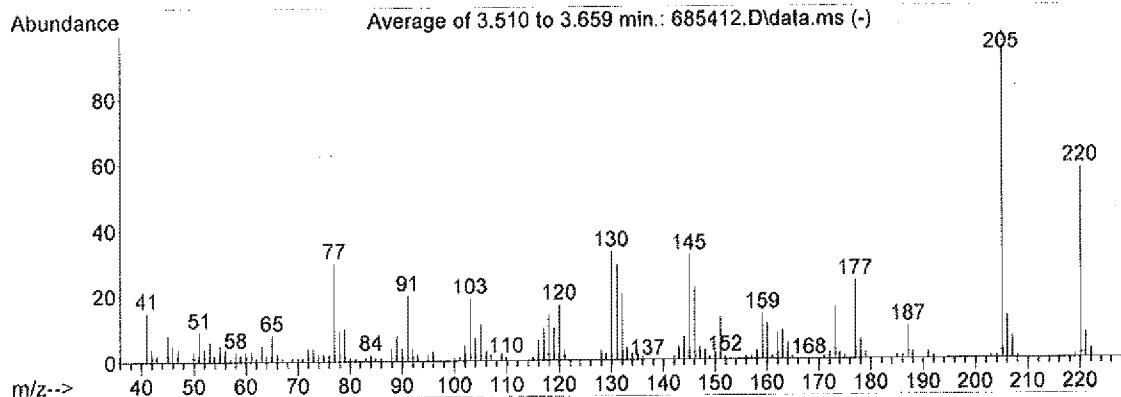
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**Information from Data File:**

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Operator : DJR  
Date Acquired : 1 Dec 2009 12:02  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.55	C:\Database\NIST05a.L		
		Xylazine	007361-61-7	99
		Xylazine	007361-61-7	99
		9-Cedranone	1000156-23-2	89



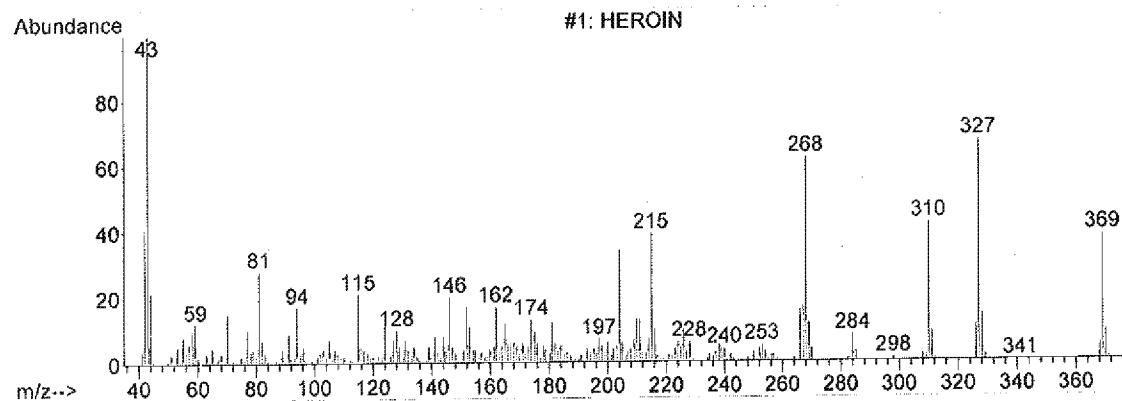
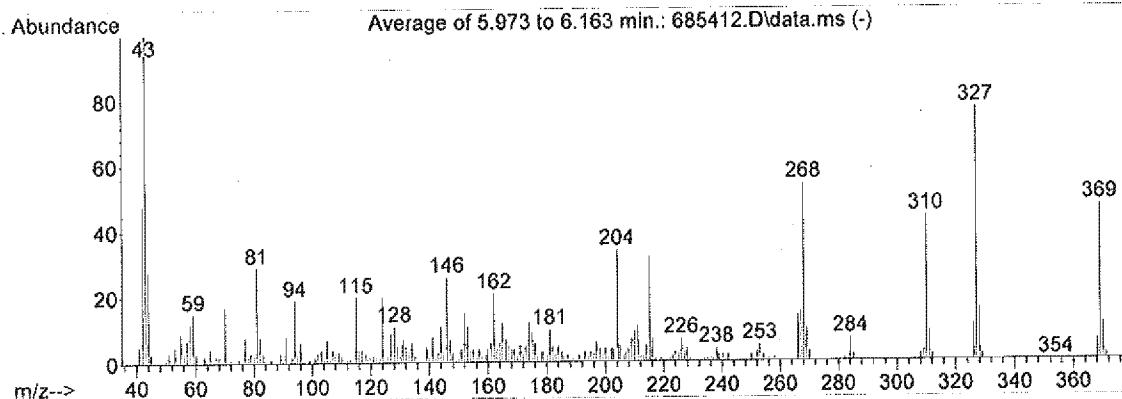
Area Percent / Library Search Report

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Operator : DJR  
Date Acquired : 1 Dec 2009 12:02  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	6.01	C:\Database\SLI.L HEROIN	000561-27-3	99



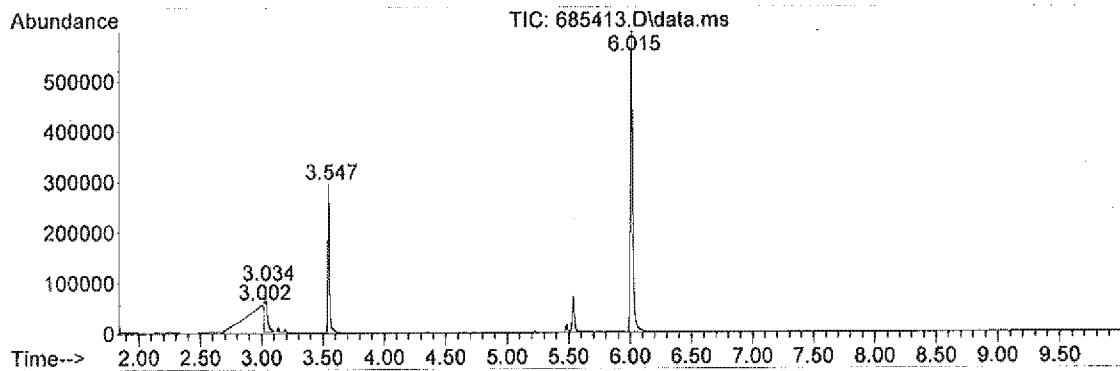
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Operator : DJR  
Date Acquired : 1 Dec 2009 12:14  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 13  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.002	563573	31.54	69.67
3.034	130185	7.29	16.09
3.547	284224	15.91	35.14
6.015	808943	45.27	100.00

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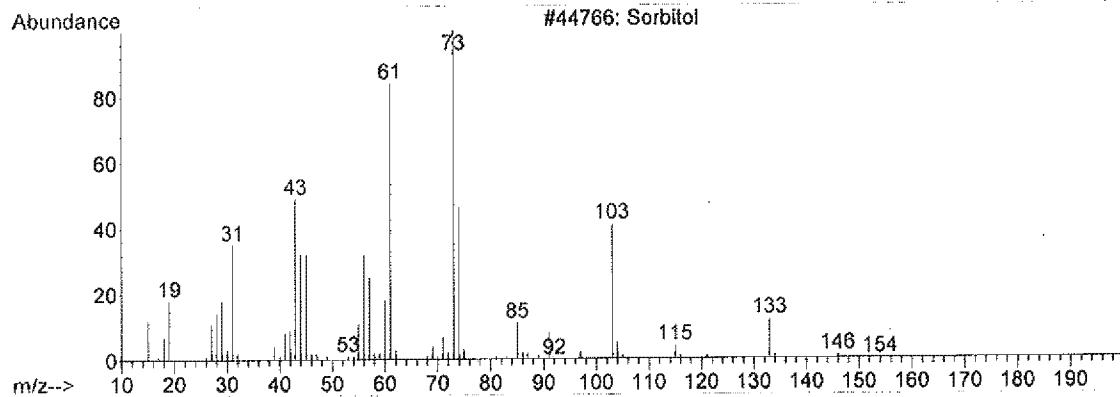
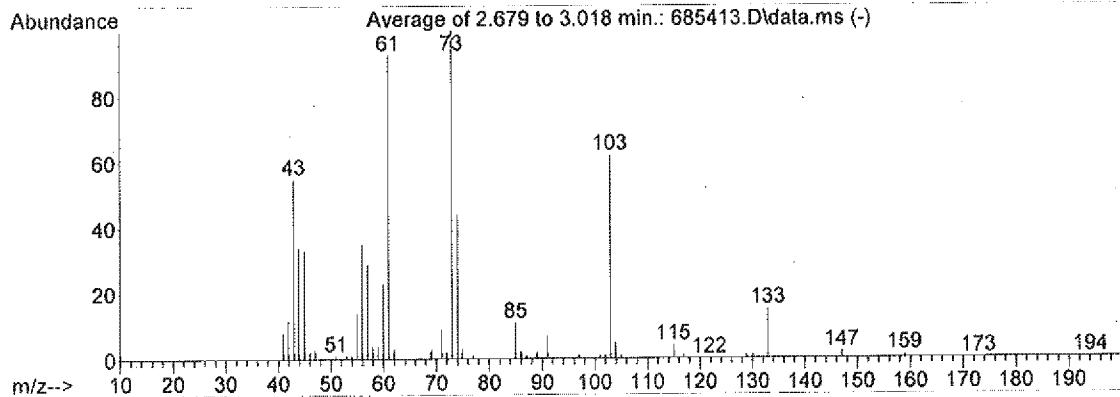
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 Operator : DJR  
 Date Acquired : 1 Dec 2009 12:14  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 13  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.00	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		Sorbitol	000050-70-4	91
		D-Mannitol	000069-65-8	90



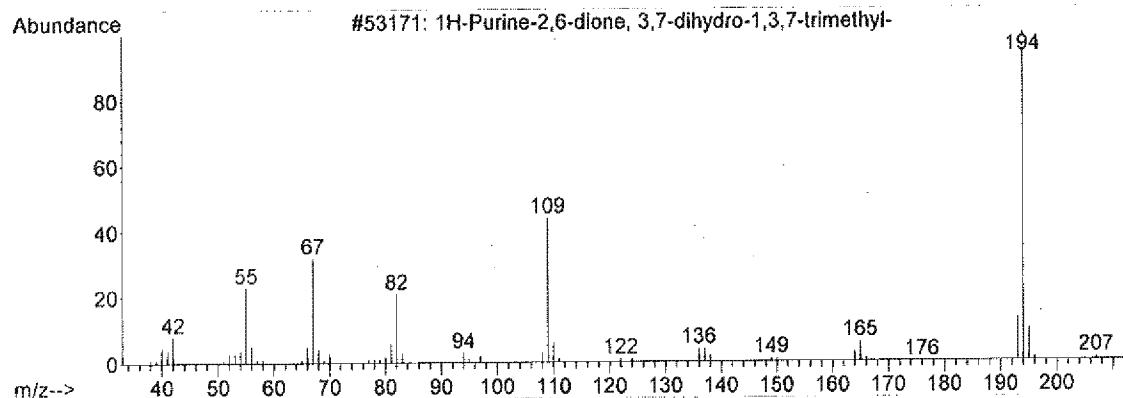
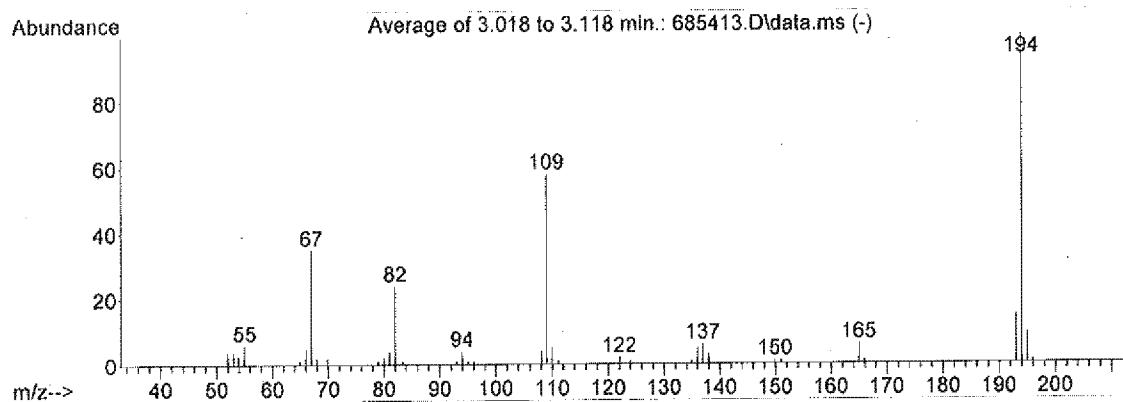
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Operator : DJR  
Date Acquired : 1 Dec 2009 12:14  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 13  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.03	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	95
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	91
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	91



# Area Percent / Library Search Report

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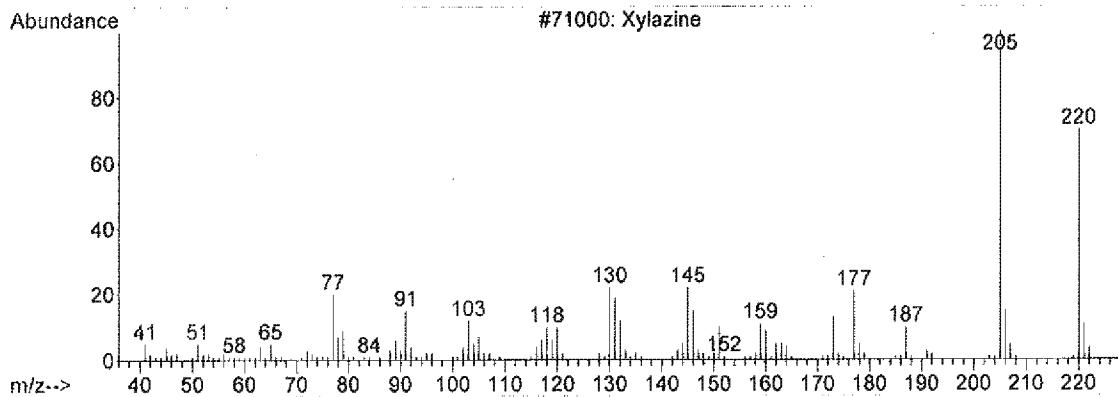
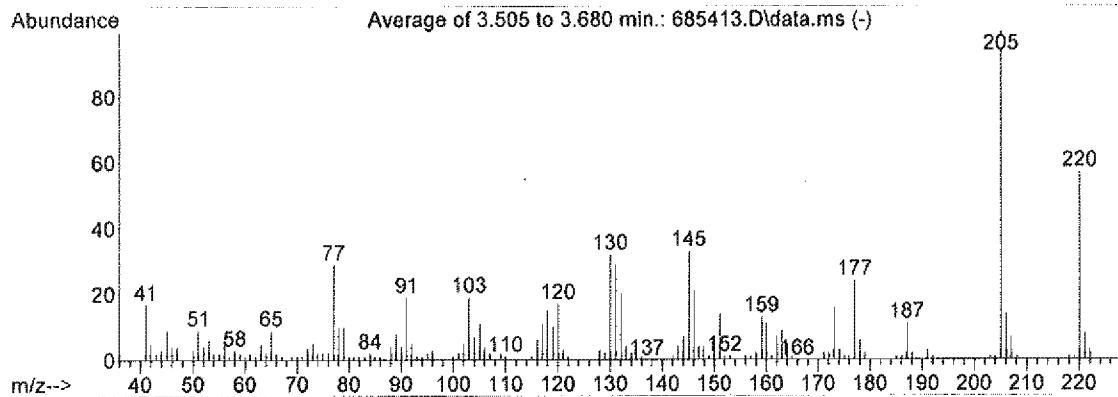
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Date Acquired : 1 Dec 2009 12:14  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 13  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

---

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	3.55	C:\Database\NIST05a.L		
		Xylazine	007361-61-7	99
		Xylazine	007361-61-7	99
		9-Cedranone	1000156-23-2	78



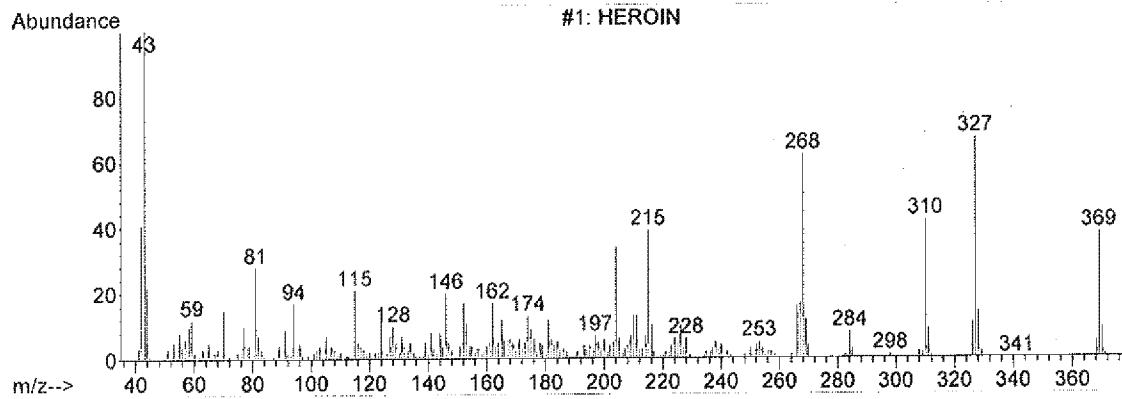
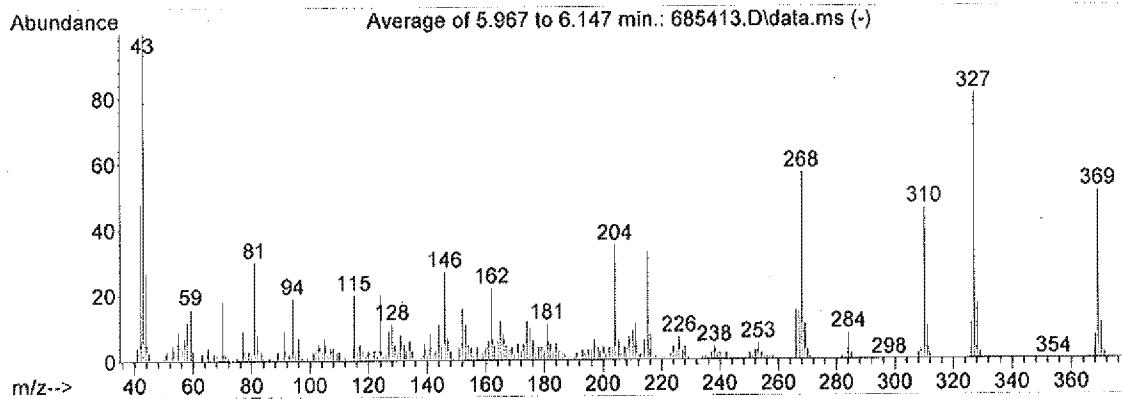
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685413.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:14  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 13  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	6.01	C:\Database\SLI.L HEROIN	000561-27-3	98



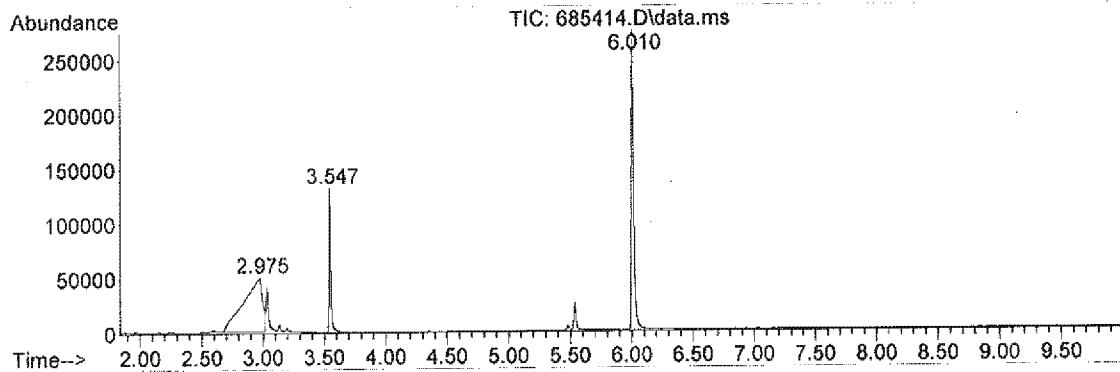
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685414.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:27  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 14  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
2.975	530873	51.79	100.00
3.547	131687	12.85	24.81
6.010	362562	35.37	68.30

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# Area Percent / Library Search Report

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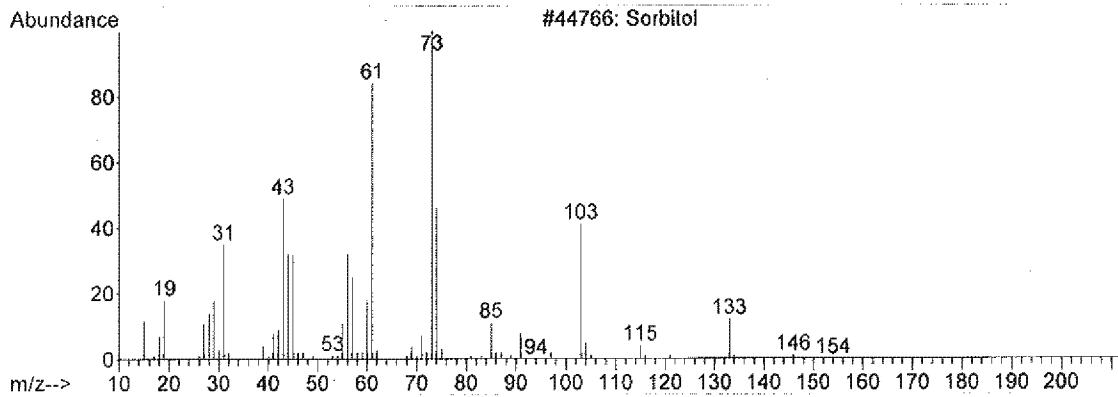
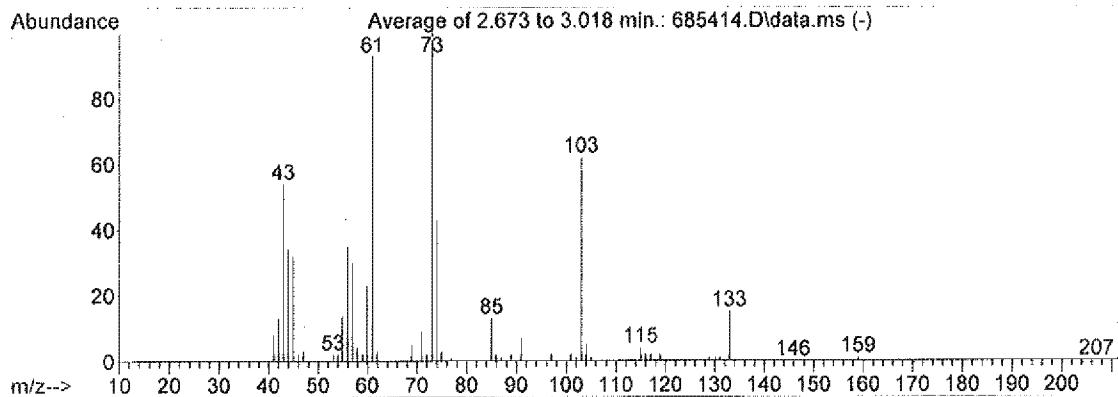
**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685414.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:27  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 14  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.98	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		D-Mannitol	000069-65-8	90
		Sorbitol	000050-70-4	87



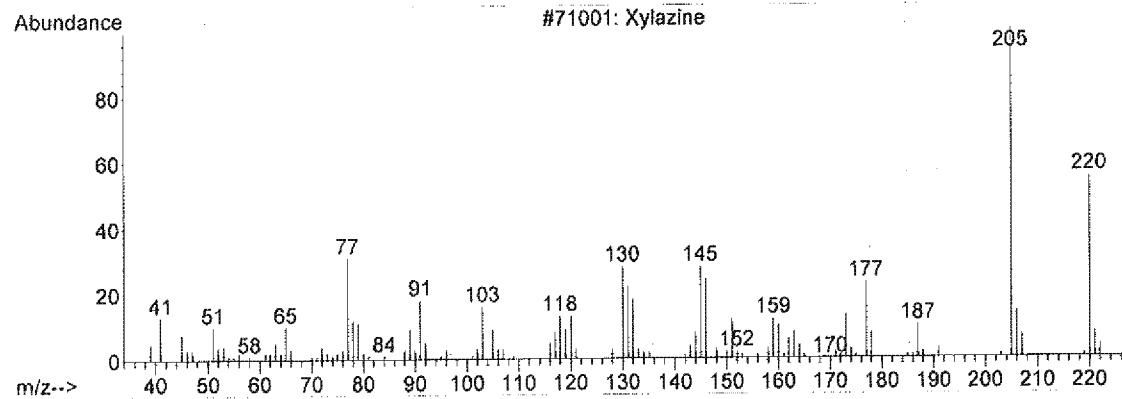
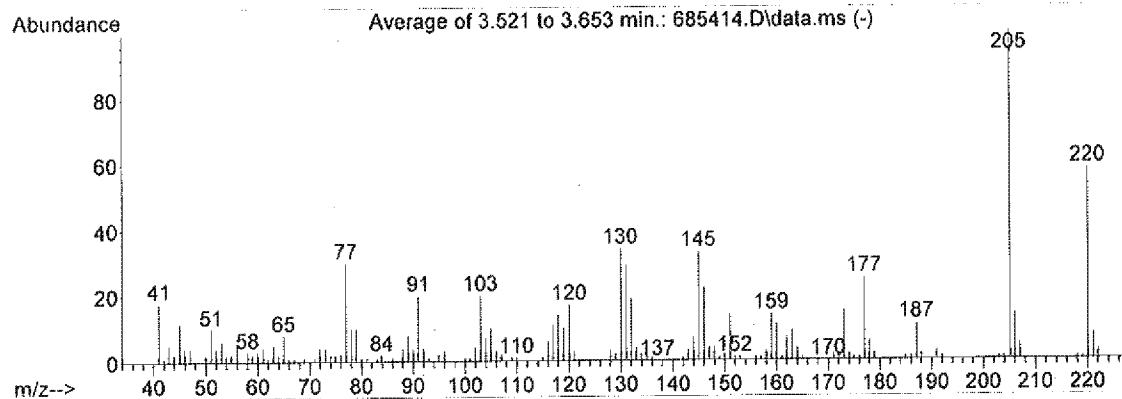
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685414.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:27  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 14  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.55	C:\Database\NIST05a.L		
		Xylazine	007361-61-7	99
		9-Cedranone	1000156-23-2	89
		Xylazine	007361-61-7	70



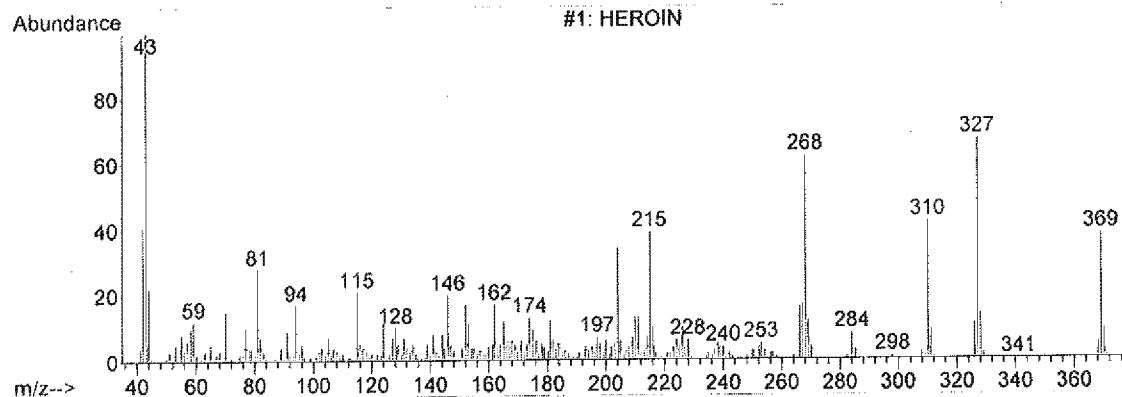
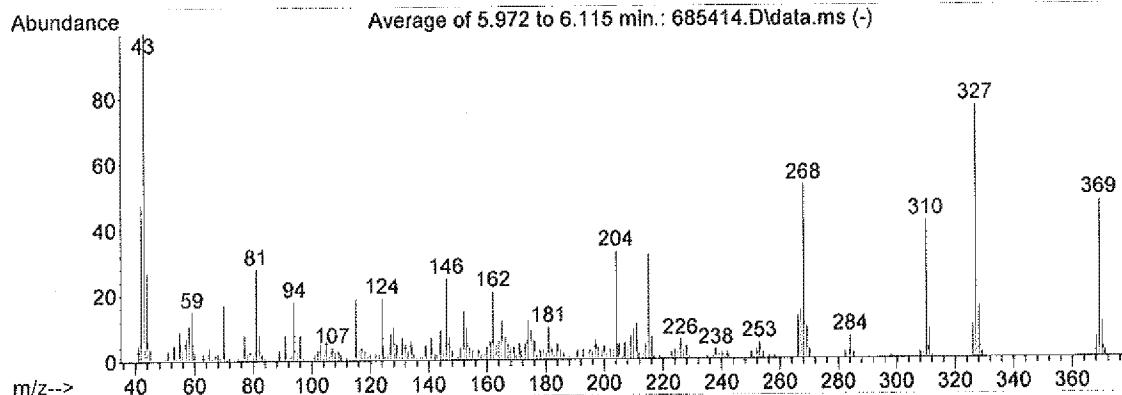
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685414.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:27  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 14  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	6.01	C:\Database\SLI.L HEROIN	000561-27-3	98



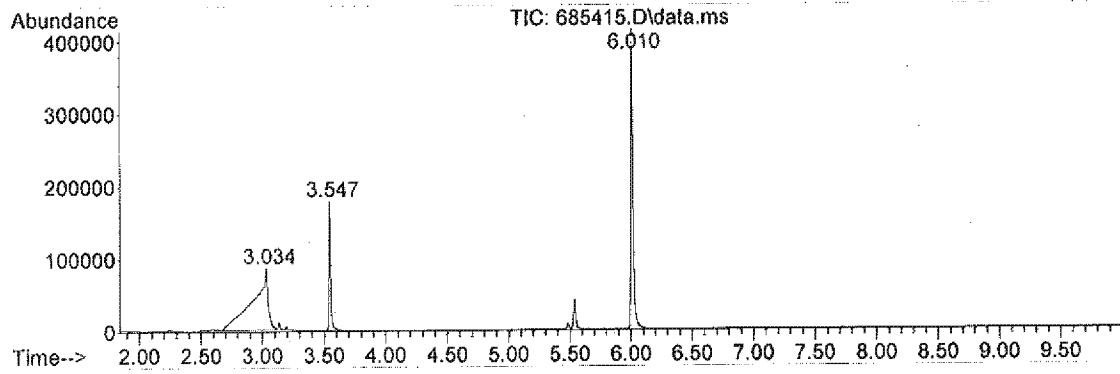
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685415.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:40  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.034	741300	50.59	100.00
3.547	180525	12.32	24.35
6.010	543586	37.09	73.33

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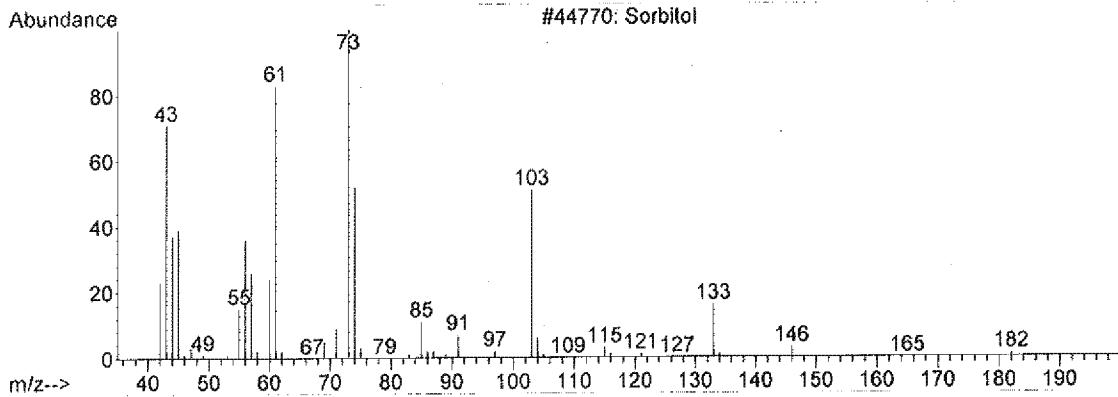
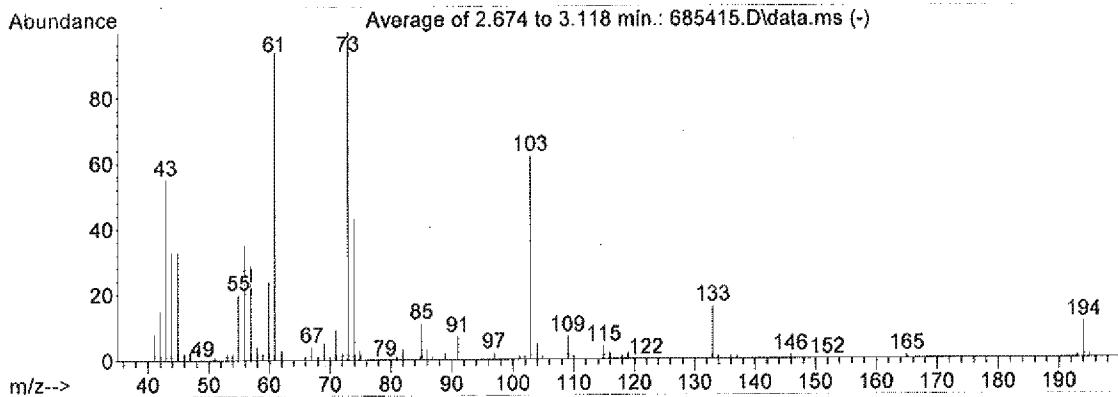
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685415.D  
 Operator : DJR  
 Date Acquired : 1 Dec 2009 12:40  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.03	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		D-Mannitol	000069-65-8	86
		Sorbitol	000050-70-4	83



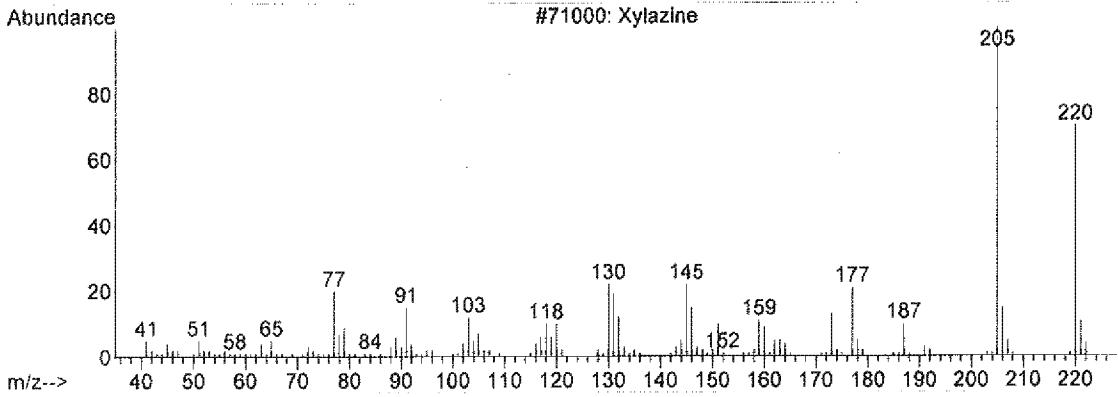
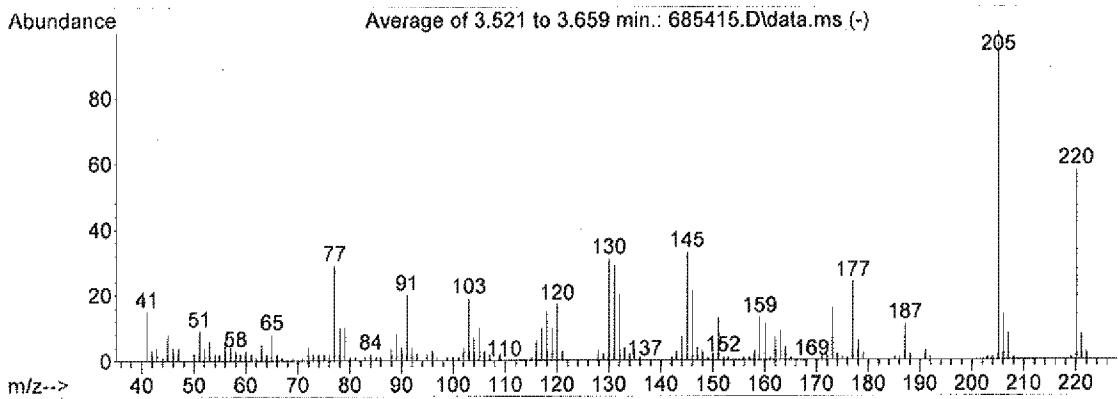
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685415.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:40  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.55	C:\Database\NIST05a.L		
		Xylazine	007361-61-7	99
		Xylazine	007361-61-7	98
		9-Cedranone	1000156-23-2	89



# Area Percent / Library Search Report

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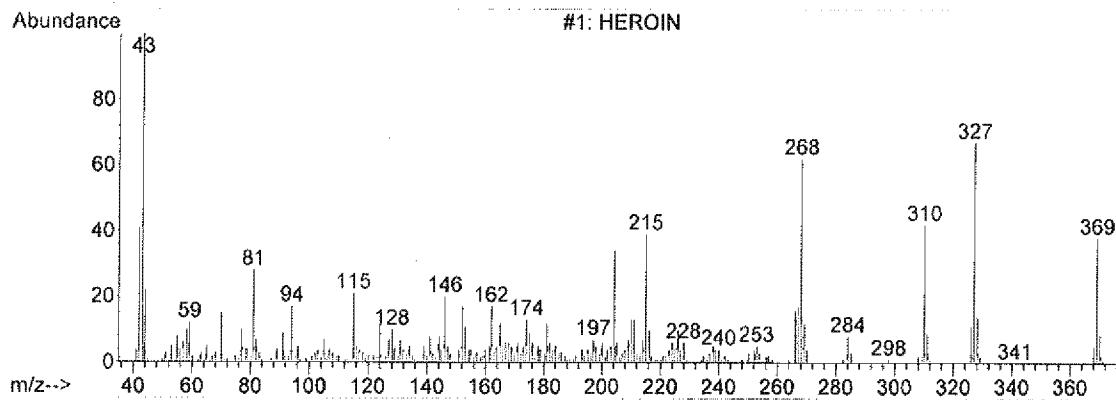
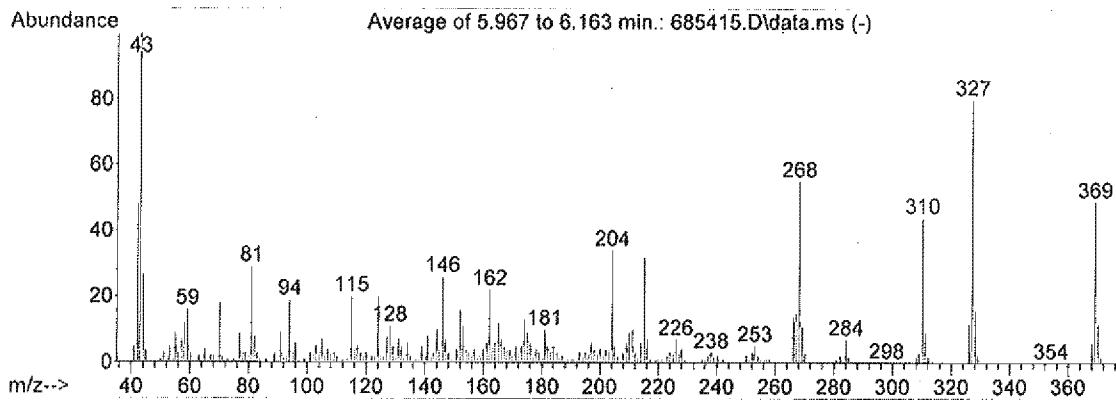
**Information from Data File:**

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685415.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 12:40  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

---

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	6.01	C:\Database\SLI.L HEROIN	000561-27-3	98



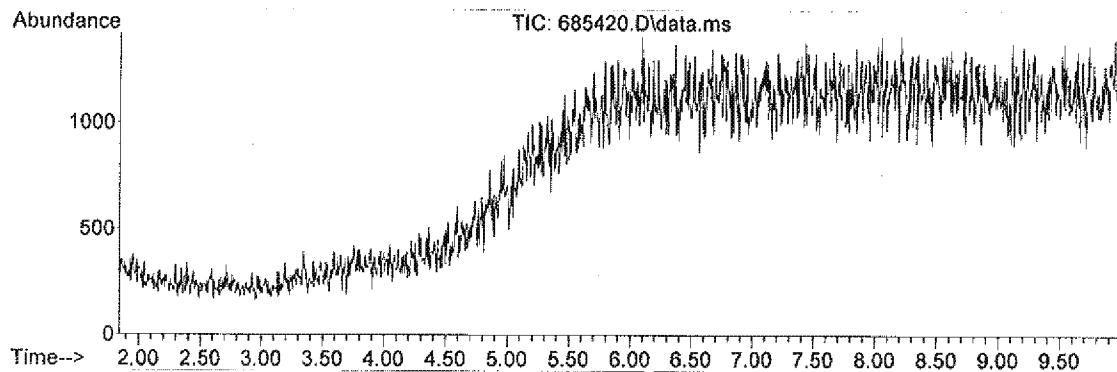
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685420.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 13:43  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

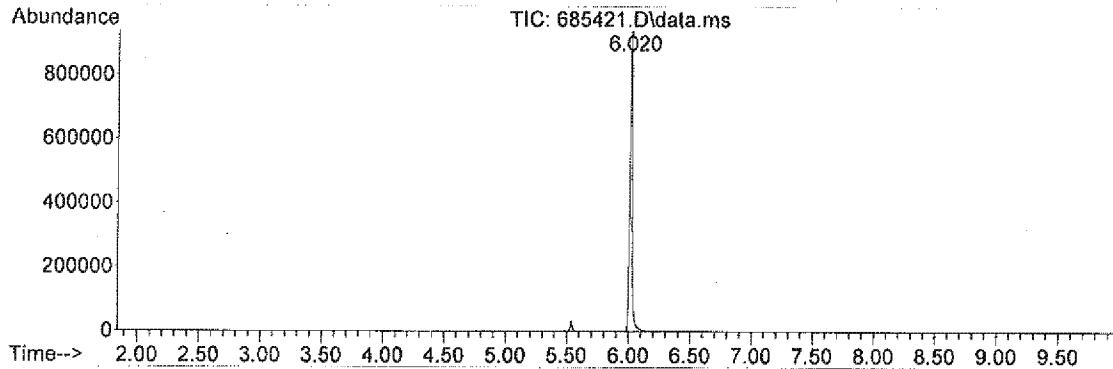
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685421.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 13:56  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 21  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.020	1358069	100.00	100.00

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## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\12\_01\_09\685421.D  
Operator : DJR  
Date Acquired : 1 Dec 2009 13:56  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 21  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.02	C:\Database\SLI.L HEROIN	000561-27-3	99

